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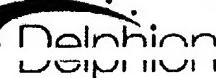
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Title: **JP7272717A2: MANUFACTURE OF FLAT TYPE NONAQUEOUS ELECTROLYTE BATTERY**

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Country: **JP Japan**
Kind: **A**

Inventor(s): **MIZUNO TOSHIO**
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Applicant/Assignee: **FUJI ELELCROCHEM CO LTD**
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Issued/Filed Dates: **Oct. 20, 1995 / March 31, 1994**

Application Number: **JP1994000063556**

IPC Class: **H01M 4/12; H01M 6/16;**

Priority Number(s): **March 31, 1994 JP1994000063556**

Abstract:

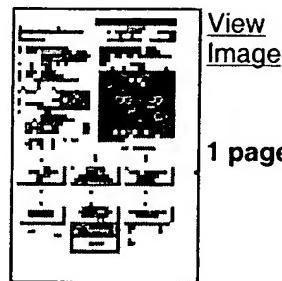
Purpose: To provide a manufacturing method for a flat type nonaqueous electrolyte battery capable of enhancing reaction efficiency of lithium and obtaining stable discharge performance by efficiently, accurately pressing for fixing lithium in the form of nearly complete round to the whole surface of a negative terminal.

Constitution: In the manufacturing method for a flat type nonaqueous electrolyte battery fabricated by using a negative electrode 2 formed by pressing lithium 2b serving as a negative active material against a disk-like negative terminal 2a, a chip of lithium 2b obtained by cutting a rod is temporarily pressed near the center of the negative terminal 2a. The chip is temporarily molded by 1/2-1/4 of the chip thickness with a pressing jig K with a recessed surface to form an almost round projection, then the chip is pressed by 1/6 or less of the original thickness with a pressing jig G with flat surface to press against the negative terminal 2a to form the negative electrode 2. Before the lithium 2b is temporarily molded in the form of almost round projection, a die lubricant 6 stable to an electrolyte such as propylene carbonate (PC) and liquid paraffin is preferably applied to the surface of the lithium 2b coming in contact with the pressing jig K.

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Other Abstract Info: CHEMABS 124(06)061599C CAN124(06)061599C DERABS C96-013923
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Foreign References: No patents reference this one



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PATENT ABSTRACTS OF JAPAN(21) Application number: **06063556**(51) Int'l. Cl.: **H01M 4/12 H01M 6/16**(22) Application date: **31.03.94**

(30) Priority:

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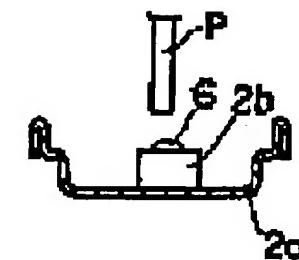
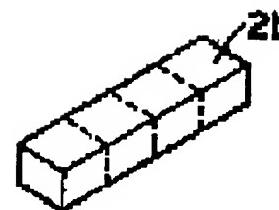
(74) Representative:

(54) MANUFACTURE OF FLAT TYPE NONAQUEOUS ELECTROLYTE BATTERY**(57) Abstract:**

PURPOSE: To provide a manufacturing method for a flat type nonaqueous electrolyte battery capable of enhancing reaction efficiency of lithium and obtaining stable discharge performance by efficiently, accurately pressing for fixing lithium in the form of nearly complete round to the whole surface of a negative terminal.

CONSTITUTION: In the manufacturing method for a flat type nonaqueous electrolyte battery fabricated by using a negative electrode 2 formed by pressing lithium 2b serving as a negative active material against a disk-like negative terminal 2a, a chip of lithium 2b obtained by cutting a rod is temporarily pressed near the center of the negative terminal 2a. The chip is temporarily molded by 1/2-1/4 of the chip thickness with a pressing jig K with a recessed surface to form an almost round projection, then the chip

is pressed by 1/6 or less of the original thickness with a pressing jig G with flat surface to press against the negative terminal 2a to form the negative electrode 2. Before the lithium 2b is temporarily molded in the form of almost round projection, a die lubricant 6 stable to an electrolyte such as propylene carbonate (PC) and liquid paraffin is preferably applied to the surface of the lithium 2b coming in contact with the pressing jig K.



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